


Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 010400 	Serial No. 09/923,139
	Applicants: Leonel R. Arana Aleksander J. Franz Klavs F. Jensen Samuel B. Schaevitz Martin A. Schmidt	
		Group

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Patentee	Class	MAIL ROOM	DEC 15 2001	RECEIVED
n	4,386,505	June 7, 1983	Little				
n	4,516,632	May 14, 1985	Swift et al.				
n	4,614,119	September 30, 1986	Zavracky et al.				
n	4,908,112	March 13, 1990	Pace				
n	5,021,663	June 4, 1991	Hornbeck				
n	5,094,906	March 10, 1992	Witzke et al.				
n	5,209,906	May 11, 1993	Watkins et al.				
n	5,385,709	January 31, 1995	Wise et al.				
n	5,458,191	October 17, 1995	Chiang et al.				
n	5,534,328	July 9, 1996	Ashmead et al.				
n	5,589,136	December 31, 1996	Northrup et al.				
n	5,595,712	January 21, 1997	Harbster et al.				
n	5,639,423	June 17, 1997	Northrup et al.				
n	5,646,039	July 8, 1997	Northrup et al.				
n	5,674,742	October 7, 1997	Northrup et al.				

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Examiner Initial	Document Number	Issue Date	Patentee	Class	Sub-Class	Filing Date
n	5,789,753	August 4, 1998	Gooch et al.			
n	5,811,062	September 22, 1998	Wegeng et al.			
n	5,843,385	December 1, 1998	Dugan			
n	5,863,502	January 26, 1999	Southgate et al.			
n	5,882,496	March 16, 1999	Northrup et al.			
n	5,932,315	August 3, 1999	Lum et al.			
n	5,941,079	August 24, 1999	Bowman et al.			
n	5,961,930	October 5, 1999	Chatterjee et al.			
n	5,961,932	October 5, 1999	Ghosh et al.			
n	5,965,092	October 12, 1999	Chatterjee et al.			
n	5,965,237	October 12, 1999	Bruin et al.			
n	6,062,210	May 16, 2000	Welles			
n	6,170,568	January 9, 2001	Valenzuala			
n	6,180,536	January 30, 2001	Chong et al.			
	6,192,596	February 27, 2001	Bennett et al.			(duplicate)
	6,193,501	February 27, 2001	Masel et al.			(duplicate)
	6,194,066	February 27, 2001	Hoffman			(duplicate)
n	6,200,536	March 13, 2001	Tonkovich et al.			
n	6,210,986	April 3, 2001	Arnold et al.			
n	6,250,379	June 26, 2001	Geissler et al.			

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Examiner Initial	Document Number	Public. Date	Country or Patent Office	Class	Sub-Class	Transl. Y N
n	WO 99/44736	September 10, 1999	EPO			

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	09/923,139
				Filing Date	August 6, 2001
				First Named Inventor	Arana
				Art Unit	3743
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	010400

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Examiner Signature	<i>[Signature]</i>	Date Considered	6/7/04
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Art Unit	3743
				Examiner Name	
				Attorney Docket Number	010400
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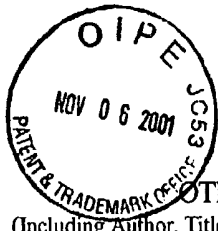
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OTHER DOCUMENTS

(Including Author, Title, Date, Relevant Pages, Place of Publication)

n		Lebouitz, K.S., MEMS Microshells for Microneedles, Microscale Fluid Visualization, and Vacuum Packaging of Microdevices (A dissertation submitted in partial satisfaction of the requirements for the degree of Doctor of Philosophy in Engineering – Mechanical Engineering), Chapter 3, pp. 40-55, Fall 1998, University of California, Berkeley (USA).
n		Wegeng et al., Developing New Miniature Energy Systems, Mechanical Engineering, vol. 116, No. 9, pp 82-85, September 1994.
n		Mehra et al., Development of a Hydrogen Combustor for a Microfabricated Gas Turbine Engine, presented at Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, June 8-11, 1998.
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